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SUBSTITUTE SPECIFICATION
ORGANIC LIGHT EMITTING DISPLAY DEVICE

BACKGROUND OF THE INVENTION

The present invention relates to an organic light emitting display device,
5 and, more particularly, to an organic light emitting display device in which the
brightness is enhanced by increasing the utilization efficiency of the emitted light.

Recently, as one example of next-generation flat type display devices, a
display device which uses organic light emitting elements has been attracting
attention. The display device using organic light emitting elements (hereinafter
10 referred to as an organic light emitting display device) has excellent
characteristics, such as a self-luminescent light capability, a wide viewing angle
and rapid response characteristics. The structure of the conventional organic
light emitting element is constituted of a transparent substrate, which is
preferably made of glass; first electrodes made of ITO or the like, which are
15 formed on the transparent substrate; an organic light emitting layer constituted of
a hole transporting layer, a light emitting layer and an electron transporting layer
and the like, which are stacked on the first electrodes; and second electrodes
having a low work function, which are formed on the organic light emitting layer.

By applying a voltage of approximately several V between the first
20 electrode and the second electrode, holes and electrons are respectively
injected into the respective electrodes, and they are coupled in the light emitting
layer after passing through the hole transporting layer and the electron
transporting layer, respectively, thus generating excitons, and light is emitted
when these excitons return to a ground state. In a so-called
25 bottom-emission-type organic light emitting display device, which uses a